

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/20/2018 10:05 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126246	0	2.25	126242	2.24
Blue	F	SSC	125000	124055	-1	2.13	124687	2.08
Blue	E	FITC	15760	15639	-1	3.16	339	23.38
Blue	D	PE	25880	25493	-2	2.19	555	17.31
Blue	B	PerCP-Cy5-5	34075	34317	0	4.49	1042	23.87
Blue	A	PE-Cy7	22776	22843	0	7.89	551	47.02
Red	C	APC	42488	41581	-3	2.77	1571	13.53
Red	A	APC-Cy7	24478	24189	-2	2.86	829	13.03
Violet	B	V450	6304	6137	-3	4.32	339	18.16
Violet	A	V500	26005	24852	-5	3.72	580	13.81

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20982	10.97	615	18	N/A	N/A	Pass
Blue	F	SSC	56048	1.55	584	29	N/A	N/A	Pass
Blue	E	FITC	59	77.66	567	11	0.0144	210	Pass
Blue	D	PE	115	59.67	561	12	0.1194	298	Pass
Blue	B	PerCP-Cy5-5	196	57.60	663	16	0.0066	51	Pass
Blue	A	PE-Cy7	105	120.58	716	19	0.0086	35	Pass
Red	C	APC	368	28.88	602	2	0.0194	152	Pass
Red	A	APC-Cy7	203	28.78	574	3	0.0047	978	Pass
Violet	B	V450	53	88.96	501	12	0.0302	3045	Pass
Violet	A	V500	86	49.42	517	11	0.0120	1257	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.06	-30.80	0.97
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	15.80	13.60 - 20.40	N/A	N/A	30.91	31.20	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12383

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments